Software Developer's Kit (SDK) for contactless cards

SDK for AIR ID® Writer

Overview

The AIR ID Software Developer's Kit (SDK) allows independent developers to give their application the ability to read and write information directly to contactless smart cards. It offers the following:

- **Complete command support for all contactless smart cards.** All reader functions are controlled by the SDK via a USB or serial port
- **USB and RS-232 Ethernet support.** Supporting both ports through an easy-to-use DLL interface. The USB reader requires an operating system complete with drivers that support USB devices

The SDK is full-featured and easy to integrate. The Kit fully supports the USB or RS-232 desktop read/write reader with software examples in C++, and Visual Basic. All platforms and card formats are supported.

Applications

- **Security:** Create an application logon option or a full-featured desktop security application based on a platform of readers
- **Identification:** Identify users for productivity or QA in manufacturing environments
- **Human resource kiosks:** Speed up the human resource process through use of facility access cards
- **Vending applications:** Use existing proximity cards for cafeteria applications such as cashless vending or point-of-sale cafeteria systems
- **Asset tracking:** Identify where key assets are located, lower deployments, and increase utilization

Software Developer's Kit

Features

Platform independent: Allows developers to provide a single application capable of working with nearly any proximity or contactless card being used by the end user

Versatility: Single interface both for USB and RS-232 desktop readers as well as an array of outdoor readers

Wide range of support choices: Unified SDK supports all proximity readers from RF IDeas allowing OEMs to choose cards and readers based upon application requirements

Source code examples in C++ and Visual Basic

High-level commands

- **Connect** (Automatically find/connect to our USB or RS-232 AIR ID Writers)
- **Find free page/sector**
- **Fill page** (with data)
- **Erase data** (making it free for other applications)
- **Read from card or write data to card** (specific block)
- **Load key(s) in reader**
- **Write key to card**

Part Numbers

Card Type	Software
iClass	DK-7080-DOWNLOAD
MIFARE	DK-7580-DOWNLOAD

Note: AIR ID Writer not included

Technology showing AIR ID Writer

Warranty: One year for material/workmanship defects; see complete policy for details

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